

INACTIVE FOR NEW DESIGN

INCH-POUND

MIL-DTL-27434/33A  
9 January 2003  
Superseding  
MIL-A-27434/33  
28 September 1960

# DETAIL SPECIFICATION SHEET

ADAPTER, CONNECTOR, COAXIAL, RADIOFREQUENCY,  
BETWEEN SERIES, TYPE UG-1146/U  
(SERIES BNC TO QDS)

This specification is approved for use by all Departments  
and Agencies of the Department of Defense

The requirements for acquiring the adapter described herein shall  
consist of this document and the latest issue of MIL-A-27434.

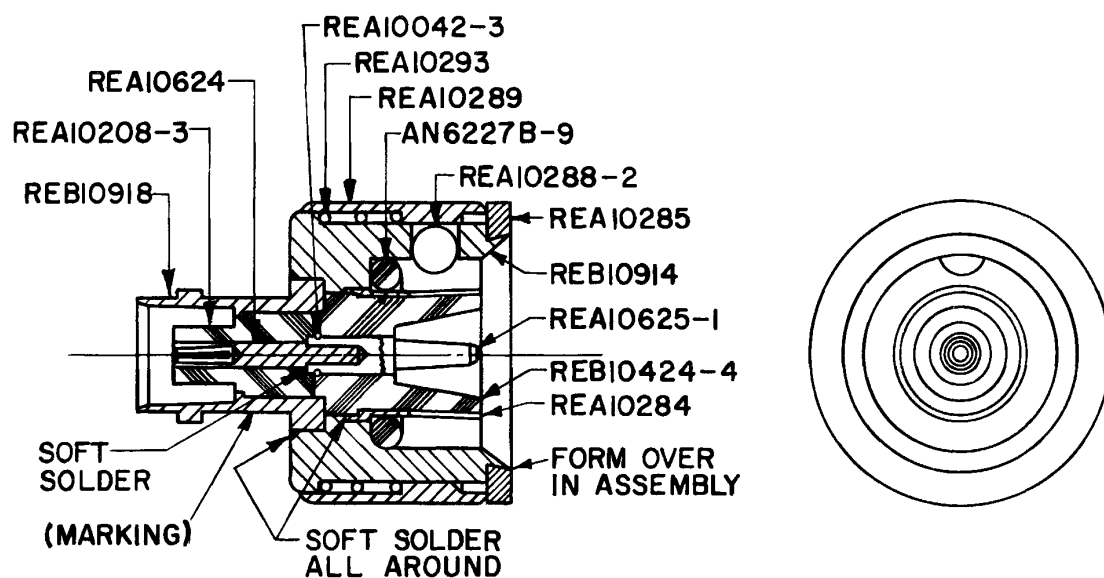
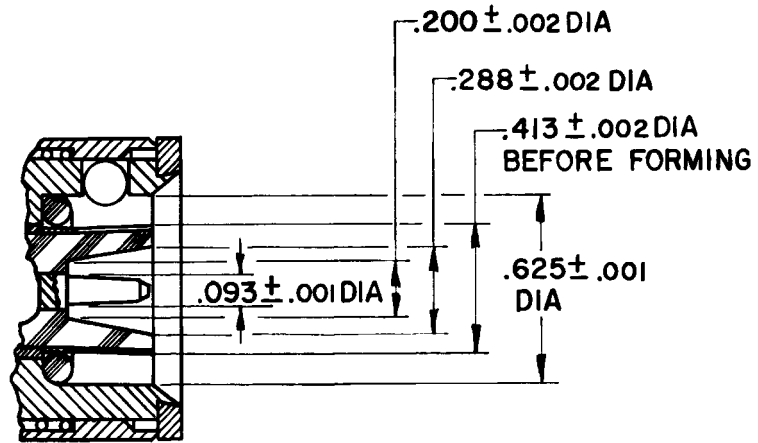


FIGURE 1. Type UG-1146/U connector adapter.



Inches	millimeters
.001	0.02
.002	0.05
.093	2.36
.200	5.08
.288	7.31
.413	10.49
.625	15.87

FIGURE 2. Series QDS Pin Contact Interface.

1. All dimensions are in inches.
2. Unless otherwise specified, tolerances are  $\pm 0.005$  inch.

Dimensions and configuration: In accordance with Figure 1 and the following drawings:

- SAE-AS28775 – Packing, Preformed, Hydraulic, +275 DEG. F. ("O" RING)
- REA10042 – Ring
- REA10208 – Insulator
- REA10284 – Contact
- REA10285 – Flange
- REA10288 – Ball Bearing
- REA10289 – Sleeve
- REA10293 – Spring
- REB10424 – Insulator
- REA10624 – Contact
- REA10625 – Contact
- REB10914 – Body
- REB10918 - Body

Mating characteristics: Series BNC interface shall be in accordance with MIL-STD-348. Series QDS interface shall be in accordance with figure 2.

Gage tests for contacts: The specified contact shall meet the gage tests for contacts specified in MIL-A-27434 paragraphs 4.2 and 4.2.1. The outer contact shall meet the gage test as specified in MIL-A-27434 paragraph 4.2 1 prior to assembly into the connector adapter (QDS only).

Spring finger contact members shall make contact within .0312 inch of their tip ends, with a ring having an inside diameter of .420 inch minimum. All contact members shall then enter a ring having an inside diameter of .428 inch maximum when a pressure of not more than 1 pound is applied.

Part or Identifying Number (PIN): UG-1146/U

Supersession: This document supersedes Navy drawing REB49323

#### CONCLUDING MATERIAL

Custodians:

- Army – CR
- Navy – EC
- Air Force – 11
- DLA – CC

Preparing activity:

DLA - CC

(Project 5935-4520-004)

Review activities:

- Air Force – 99
- Navy - SH